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(54) SHAFT SEALING STRUCTURE FOR VACUUM PUMP

(57) Abstract:

PROBLEM TO BE SOLVED: To provide shaft sealing structure achieving the long service life of a lip seal while good sealing performance is kept in a vacuum pump.

SOLUTION: Lip seals 44, 44A are arranged on the peripheral surfaces of rotation shafts 19, 20 locating between radial bearings 37, 38 and rotors 27, 32. Rubber lip rings 48 of the lip seals 44, 44A are arranged on the gear housing 331 side than a ring case 45. Fluororesin lip rings 49 of the lip seals 44, 44A are arranged on the pump chamber 43 side than the ring case 45. Lubricating oil within the gear housing 331 lubricates the rubber lip rings 48 of the lip seals 44, 44A.

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